

WHAT IS CLAIMED IS:

1. A rubber member conveying device comprising:
a vibration imparting part that imparts vibration to a rubber member having internal
5 strain; and
a conveying part that conveys the rubber member; wherein
the rubber member is conveyed by the conveying part while having vibration
imparted thereto by the vibration imparting part.

10 2. The rubber member conveying device of claim 1, wherein the vibration imparted to
the rubber member has a frequency of 5 to 100 Hz, an amplitude of 0.5 to 10 mm, and a time
period of vibration of 1 sec or longer.

15 3. The rubber member conveying device of claim 2, wherein the frequency, the
amplitude, and the time period of vibration are set according to the thickness, hardness and
amount of internal strain of the rubber member.

4. The rubber member conveying device of any one of claims 1 to 3, wherein
the conveying part is provided with a rotating endless belt that is loaded with the
20 rubber member,
a protruding part is provided as the vibration imparting part on a rubber member
loading surface side of the endless belt, and
the rubber member is moved relatively to the protruding part due to rotation of the
endless belt.

25 5. The rubber member conveying device of claim 4 wherein,
a plurality of revolving elements that are held freely rotatably are provided as the
protruding part, and
when the endless belt rotates, the revolving elements that are butted against the
30 rubber member are turned by a moving force of the endless belt and a friction force exerted by
the rubber member.

6. The rubber member conveying device of claim 5, wherein, as the revolving elements,
rollers are provided such that an axis of rotation thereof is in a direction orthogonal to a

conveyance direction.

7. The rubber member conveying device of claim 5, wherein the revolving elements are ball bearings.

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8. A rubber member supplying system, comprising:

a delivery unit that delivers a to-be-cut material made of rubber having internal strain;

a cutting unit that cuts the to-be-cut material supplied by the delivery unit; and

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the conveying device of any one of claims 1 to 7 that conveys a rubber member that has been cut by the cutting unit.

9. The rubber member supplying system of claim 8, wherein the delivery unit is capable of intermittent running, and when the cutting unit cuts the to-be-cut material, the delivery unit stops delivery of the to-be-cut material.

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10. The rubber member supplying system of claim 8 or 9, wherein the to-be-cut material has a long strip shape that is formed by an extrusion process.